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## Claims

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1. A method for traffic management in a radio system,

characterized by

monitoring (502) at least one cell load parameter of non-real-time users in a radio cell;

triggering (504) a cell reselection process in the radio cell on the basis of a cell load parameter exceeding a pre-set cell load threshold;

selecting (506), based on at least one cell load parameter, the non-real-time users to perform cell reselection;

triggering (508) the selected non-real-time users to perform cell reselection.

- 2. The method of claim 1, characterized by selecting, based on the cell load parameter, the number of non-real-time users to perform cell reselection.
- 3. The method of claim 1, characterized by using different pre-set cell load thresholds for different traffic classes or priority classes of the non-real-time users.
  - 4. The method of claim 1, characterized in that the non-real time users are selected for cell reselection on the basis of at least one of the following cell load parameters:
    - -experienced quality of service;
    - -experienced delay;

- -data throughput;
- -transmission power level;
- capacity request rejection rate;
- -used temporary block flows;
- -number of temporary block flow users.
- 5. The method of claim 1, characterized in that the non-real-time users are ranked on the basis of a cell load parameter, and that the selection of the non-real-time users to perform cell reselection is based on the ranking.
- 6. The method of claim 1, characterized in that the number of non-real-time users to perform cell reselection is based on the magnitude by which the pre-set cell load threshold is exceeded.
- 7. The method of claim 1, characterized in that the cell reselection is an inter-system cell reselection or an inter-carrier cell reselection.

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8. A radio system, comprising

a base station (226) for providing a radio cell (206) for radio transmission and reception to user equipment (270, 272, 274),

characterized in that the radio system is configured to: monitor at least one cell load parameter of non-real-time users (270,

272, 274) in a radio cell (226);

trigger a cell reselection process in the radio cell (226) on the basis of a cell load parameter exceeding a pre-set cell load threshold,

select, based on at least one cell load parameter, the non-real-time users (270, 272) to perform cell reselection;

trigger the selected non-real-time users (270, 272) to perform cell reselection.

- 9. The system of claim 8, characterized in that the system is configured to select, based on the cell load parameter, the number of non-real-time users (270, 272) to perform cell reselection.
- 10. The system of claim 8, characterized in that the system is configured to use different pre-set cell load thresholds for different traffic classes or priority classes of the non-real-time users (270, 272, 274).
- 11. The system of claim 8, characterized in that the system is configured to select, based on at least one of the following cell load parameters, non-real-time users (270, 272, 274) for cell reselection:
  - -experienced quality of service;
  - -experienced delay;
  - -data throughput;
  - -transmission power level
  - capacity request rejection rate;
  - -used temporary block flows;
  - -number of temporary block flow users. ·
- 12. The system of claim 8, characterized in that the system is configured to rank the non-real-time users on the basis of a cell load parameter, and that the selection of the non-real-time users to perform cell reselection is based on the ranking.
  - 13. The system of claim 8, characterized in that the system is configured to select, based on the magnitude by which the pre-set cell load threshold is exceeded, the number of non-real-time users (270, 272) to perform cell reselection.

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- 14. The system of claim 8, characterized in that the radio system is configured to trigger an inter-system cell reselection or an inter-carrier cell reselection.
- 15. The system of claim 8, characterized in that the radio system comprises a controller 200 configured to:

monitor at least one cell load parameter of non-real-time users (270, 272, 274) in a radio cell (226);

trigger a cell reselection process in the radio cell (226) on the basis of a cell load parameter exceeding a pre-set cell load threshold,

select, based on at least one non-real-time cell load parameter, the non-real-time users (270, 272) to perform cell reselection;

trigger the selected non-real-time users (270, 272) to perform cell reselection.

16. The system of claim 8, characterized in that the radio system comprises:

monitoring means (208) for monitoring at least one cell load parameter of non-real-time users (270, 272, 274) in a radio cell (226);

triggering means (210) for triggering a cell reselection process in the radio cell (226) on the basis of a cell load parameter exceeding a pre-set cell load threshold,

selecting means (212) for selecting, based on at least one non-real-time cell load parameter, the non-real-time users (270, 272) to perform cell reselection;

triggering means (210) for triggering the selected non-real-time users (270, 272) to perform cell reselection.